

25X1A

CLASSIFICATION GPO

CENTRAL INTELLIGENCE AGENCY

REPORT NO. [REDACTED]

EXHIBIT 21

INFORMATION REPORT

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 26 August 1949

SUBJECT Tests of a Hydrofoil in Rostock
25X1A

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NO. OF ENCLS. (LISTED BELOW) 1 sketch

DATE OF INF. [REDACTED]

SUPPLEMENT TO REPORT NO. 25X1X



1. The following are the specifications of a hydrofoil (Tragflächen - Bootsführer - Gleiter) which has been constructed and is being tested in Rostock. The engineer who has constructed the boat and is in charge of the experiments now being carried on is Dr. Werner Graff who lives in Zerbst, Dessauer Strasse.
 - a. The boat is equipped with an engine taken from an ME-376 twin-engine.
 - b. Displacement: 50 tons.
 - c. Length: 25 meters.
 - d. Width: 5 meters across the deck.
2. After the first trial run changes were made on the hydrofoil whose angle of incidence is greater at the end than in the middle, amounting to a difference of three degrees. Difficulties in connection with the stabilization are to be cleared up by experiments.
3. On June 17 1949, the boat was again launched without having undergone any noticeable changes. On June 20 1949, there was a trial run, and on June 24 the boat was taken out of the water. The boat is to reach a speed of fifty knots/hour but has only reached forty-eight in trials so far.
4. The following damage resulted from a trial run:
 - a. There were signs of complete rupture resulting from cavitation to the necks of the propeller blades. New propellers are now being installed.
 - b. At high speeds the shafts vibrate.
 - c. The engines overheat quickly.
 - d. A protector plate covering the intake of the cooling water was dented.

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ATTACHMENT I

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